

synchronizing signal accompanying the inputted picture signals and for reading out the ideal value of the judged format of the inputted display picture signals.

REMARKS

Claims 1-4 are presented for consideration, with Claim 1 being independent.

Claim 1 has been amended to further distinguish Applicant's claimed invention from the cited art.

The amendments to Claim 1 were not presented earlier as it was believed that the previously presented claims would be found allowable. This amendment does not add any additional claims. Moreover, the Examiner's familiarity with the subject matter of the present application will allow an appreciation of the significance of the amendments herein without undue expenditure of time and effort. Accordingly, it is respectfully submitted that consideration and entry of the amendment is proper.

Claims 1-4 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by Lin '981. This rejection is respectfully traversed.

Claim 1 relates to a picture display apparatus for displaying a picture in response to inputted picture signals of an arbitrary format. The apparatus includes a picture display unit having an arranged matrix of dots for picture display, picture display unit drive means for converting inputted picture signals into display picture signals adapted for display on the picture display unit and generating drive timing signals for driving the picture display unit, with the

picture display unit drive means including a picture memory for storing inputted picture signals. In addition, display position detection means detects a picture display position on the picture display unit based on the display picture signals and the drive timing signals. Lastly, display position control means controls a timing of admission of the inputted picture signals to the picture memory, which is included in the picture display unit drive means, based on the detected display position data from the display position detecting means, thereby adjusting a picture display position.

In accordance with Applicant's claimed invention, the position of the picture display is adjusted by controlling the timing of admission of the inputted picture signals. In this manner, a picture display apparatus with superior picture displaying capabilities is provided.

As discussed in the previous amendment of July 26, 2002, the patent to Lin relates to an apparatus for detecting the video mode of video data. With reference to Figure 2, the apparatus includes a display unit 310 and computer unit with a processing circuit 325 and a logic circuit 340. As asserted in the Office Action, the logic circuit 340 controls the admission of inputted signals to the picture display unit drive means, i.e., the processing circuit 325.

In contrast to Applicant's claimed invention, however, Lin does not teach or suggest, among other features, controlling the timing of the admission of inputted picture signal to the picture memory. Instead, the logic circuit 340 is understood to control the inputted picture signals in order to improve video data resolution. However, even controlling picture signals to provide identical resolution can leave the display lacking in picture quality (see page 1, line 15 et seq. of Applicant's specification). Moreover, Lin fails to teach or suggest providing a picture

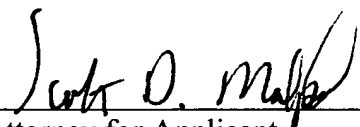
memory, for storing inputted picture signals, that is included in the picture display unit drive means. As seen Figures 1A and 1B of Lin, image memories 140 and 182 are not included as part of the picture display unit drive means.

Accordingly, reconsideration and withdrawal of the rejection of the claims under 35 U.S.C. § 102 is deemed to be in order and such action is respectfully requested.

Therefore, it is submitted that Applicant's invention as set forth in independent Claim 1 is patentable in the cited art. In addition, dependent Claims 2-4 set forth additional features of Applicant's invention. Independent consideration of the dependent claims is respectfully requested.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should be directed to our address listed below.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

1. (Twice Amended) A picture display apparatus for displaying a picture in response to inputted picture signals of an arbitrary format, said apparatus comprising:

a picture display unit having an arranged matrix of dots for picture display,

picture display unit drive means for converting inputted picture signals into display picture signals adapted for display on the picture display unit and generating drive timing signals for driving the picture display unit, said picture display unit drive means including a picture memory for storing picture signals inputted into the picture memory;

display position detection means for detecting a picture display position on the picture display unit based on the display picture signals and the drive timing signals; and

display position control means for controlling a timing of admission of the inputted picture signals to the picture memory [of] , which is included in said picture display unit drive means, based on the detected display position data from the display position detection means,

thereby adjusting a picture display position

[wherein said picture display unit, said picture display unit drive means, said display position detection means and said display position control means are integrated to form said picture display apparatus for receiving inputted picture signals of an arbitrary format].

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3. (Amended) A picture display apparatus according to Claim 2, wherein said display position detection means detects a horizontal commencement position of a picture displayed on the picture display unit in terms of a number of pixel clock signals from a rise of the horizontal synchronizing signal until first detection of the display picture signals, and detects a horizontal termination position of the picture in terms of a number of the pixel clock signals from the rise of the horizontal synchronizing signal until the termination of the display picture signals, respectively, during one horizontal scanning period, and further detects a vertical commencement position of the picture in terms of a number of horizontal synchronizing signals from a rise of the vertical synchronizing signal until first detection of the display picture signals, and detects a vertical termination position of the picture in terms of a number of horizontal synchronizing signals from the rise of the vertical synchronizing signals until the termination of the display picture signals, respectively, in one vertical scanning period, and

the display position control means controls a timing of admitting the inputted picture signals into the picture memory in the picture display unit drive means, based on a difference between detected position data and set timing data for outputting display picture signals, thereby automatically adjusting [a] the picture display position.